



Applicant(s)	Howard et al.	INFORMATION DISCLOSURE STATEMENT FORM PTO-1449
Serial No.	10/724,336	
Filing Date	November 29, 2003	
Group Art Unit	2832	
Examiner Name	Unknown	
Attorney Docket No.	142.009US01	
Title: SENSING APPARATUS AND METHOD		
		Sheet 1 of 2

U.S. Patent References				
Examiner Initials	Patent No.	Issue Date	Name	Filing Date
LD	US 3,772,587	11/13/1973	Farrand et al.	3/15/1972
	US 3,789,393	1/29/1974	Tripp	10/26/1972
	US 4,253,079	2/24/1981	Brosh	4/11/1979
	US 4,282,485	8/4/1981	Pauwels et al.	5/22/1978
	US 4,467,320	8/21/1984	McPhee	5/6/1982
	US 4,671,116	6/9/1987	Glennon et al.	11/30/1984
	US 4,697,144	9/29/1987	Howbrook	4/10/1985
	US 4,737,698	4/12/1988	McMullin et al.	10/18/1985
	US 4,853,666	8/1/1989	Fesenmeier et al.	5/31/1988
	US 4,893,077	1/9/1990	Auchterlonie	3/31/1988
	US 4,893,078	1/9/1990	Auchterlonie	5/28/1987
	US 4,970,450	11/13/1990	Karl et al.	10/4/1989
	US 5,023,408	6/11/1991	Murakami et al.	6/13/1989
	US 5,173,696	12/22/1992	Howard et al.	6/3/1991
	US 5,260,650	11/9/1993	Schwesig et al.	6/19/1989
	US 5,433,115	6/18/1995	Spillman, Jr. et al.	6/14/1993
	US 5,513,913	5/7/1996	Ball et al.	5/28/1993
	US 5,598,153	1/28/1997	Brasseur et al.	7/8/1993
	US 5,646,496	7/8/1997	Woodland et al.	3/18/1996
	US 5,793,202	8/11/1998	Ikemoto	2/23/1996
	US 5,793,204	8/11/1998	Logue	12/12/1996
	US 5,796,250	8/18/1998	Dames	5/3/1994
	US 5,815,091	9/29/1998	Dames et al.	5/15/1995
	US 6,124,708	9/26/2000	Dames	11/25/1996
	US 6,239,571	5/29/2001	Shimahara	12/6/1999
	US 6,304,014	10/16/2001	England et al.	10/2/1998

Foreign Patent References					
Examiner Initials	Foreign Patent		Name	Publication Date	T?
	Country	No.			
LD	WIPO	WO 99/34171	Absolute Sensors Limited	8 July 1999	
	WIPO	WO 99/61868	Absolute Sensors Limited	2 December 1999	
	WIPO	WO 00/33244	Synaptics (UK) Limited	8 June 2000	
	WIPO	WO 00/77480	Scientific Generics Limited	21 December 2000	
	WIPO	WO 01/29759	Synaptics (UK) Limited	26 April 2001	
	WIPO	WO 01/42865	Scientific Generics Limited	14 June 2001	
	WIPO	WO 98/43046	Brasseur	1 October 1998	X
	WIPO	WO 98/00921	Scientific Generics Limited	8 January 1998	
	EP	0 487 730	Hamanishi Sangyo Co., Ltd.	03.06.92	
	EP	0 772 025	Goto, Atsutoshi Fuchu-shi, Tokyo-to	07.05.1997	

Examiner Signature	<i>DONOVAN</i>	Date Considered	<i>06-20-05</i>
<small>*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>			

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LD	EP	0 748 054	Tamagawa Seiki Kabushiki Kaisha	11.12.1996	
	GB	2 021 273	Pneumo Corporation	28.11.1979	
	GB	2 044 461	Moog Inc.	15.10.1980	
	GB	2 197 078	Radiodetection Limited	11.05.1988	
	JP	57-122311 (English abstract attached)	Furukawa Electric Co Ltd	30.07.1982	
	JP	63-218819	Shinko Electric Co. Ltd.	12.09.1988	X
	DE	42 30 950 (English abstract attached)	Ludwig/Wanierke	23.09.1993	
↓	SU	1458946	All-Union Research Institute of Electric Machine Industry and Yerevan Polytechnic Institute	15.02.1986	X

Other References	
Examiner Initials	Author, Title, Date, Pages, etc.
LD	"Sensing Position" by Mark Howard and Richard Doyle, published on the internet in Appliance Manufacturer Magazine, March 27, 2001.
LD	"Innovative Interfaces" by Mark Howard, published on the internet in Appliance Manufacturer Magazine, October 26, 2001.
LD	"Accurate Linear Measurement Using LVDT's" by George Novacek, Circuit Cellular, Issue 106, May 1999, pgs. 1-6.

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